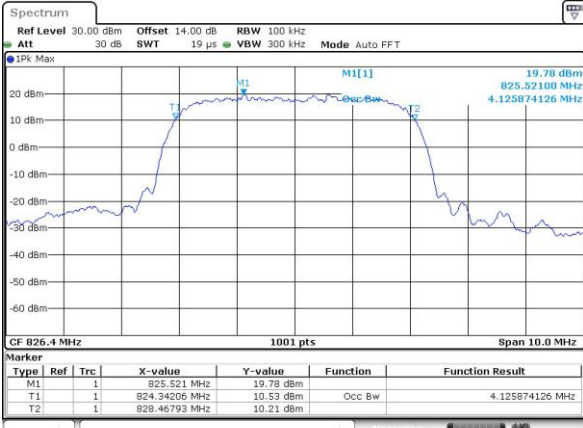




WCDMA Band V (RMC 12.2Kbps)

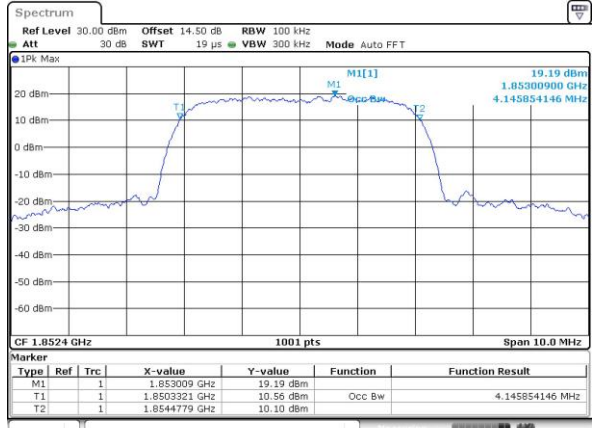
Lowest Channel



Date: 19_JUL_2022 20:56:16

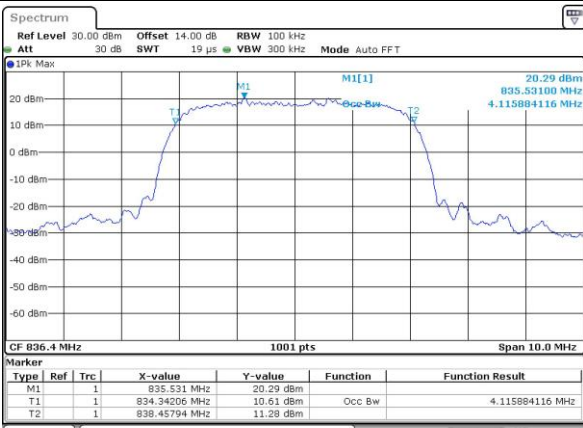
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



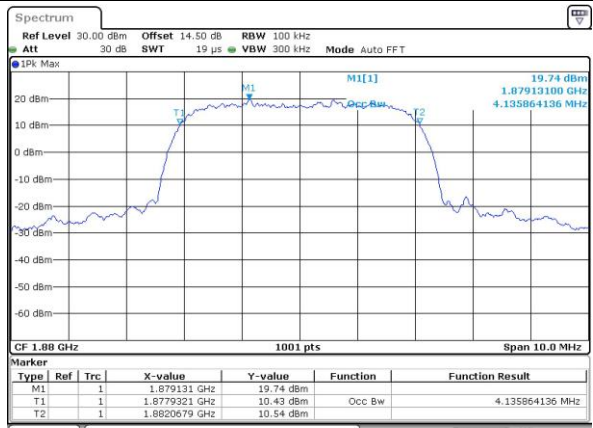
Date: 19_JUL_2022 20:58:32

Middle Channel



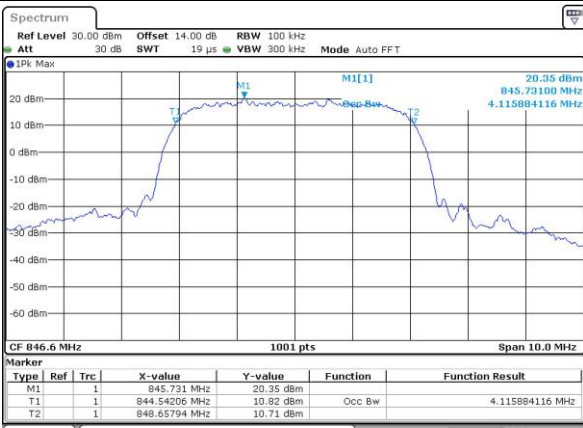
Date: 19_JUL_2022 20:56:39

Middle Channel



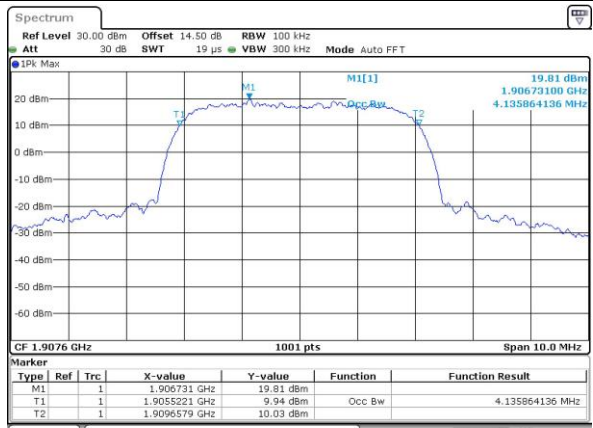
Date: 19_JUL_2022 20:58:53

Highest Channel



Date: 19_JUL_2022 20:57:25

Highest Channel

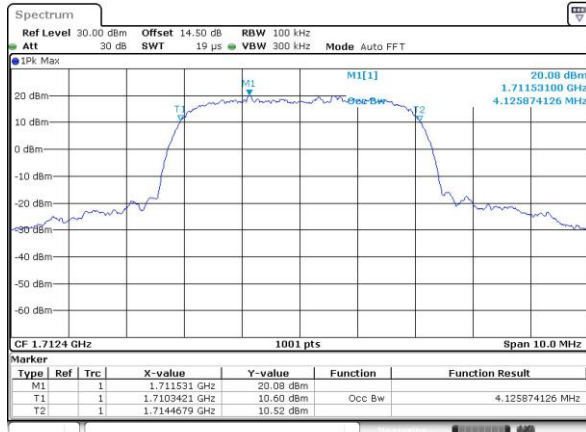


Date: 19_JUL_2022 20:59:23



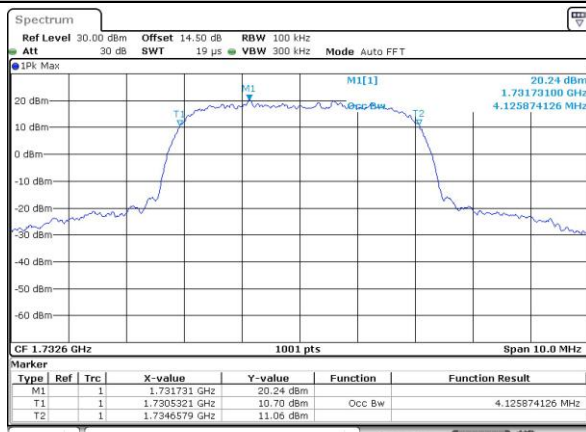
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



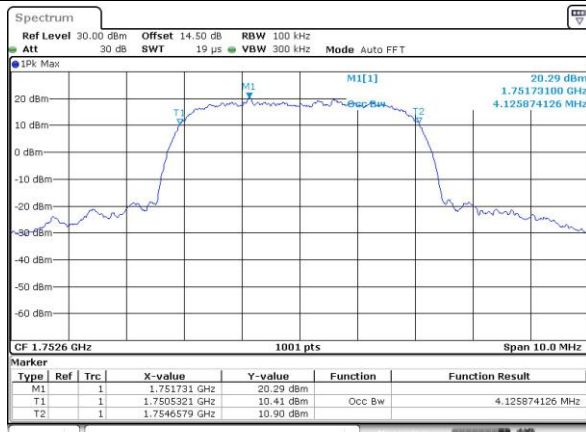
Date: 19.JUL.2022 20:49:46

Middle Channel



Date: 19.JUL.2022 20:50:07

Highest Channel



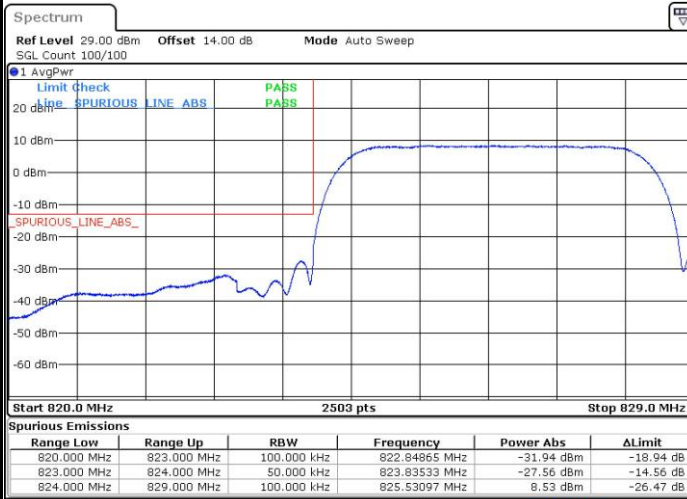
Date: 19.JUL.2022 20:50:28



Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

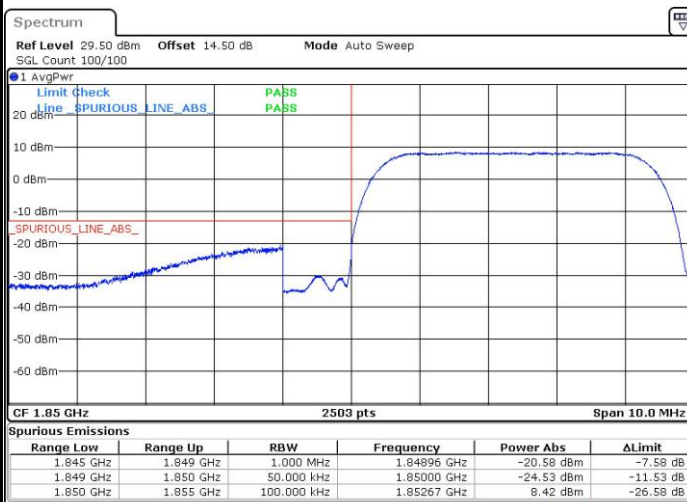


Highest Band Edge

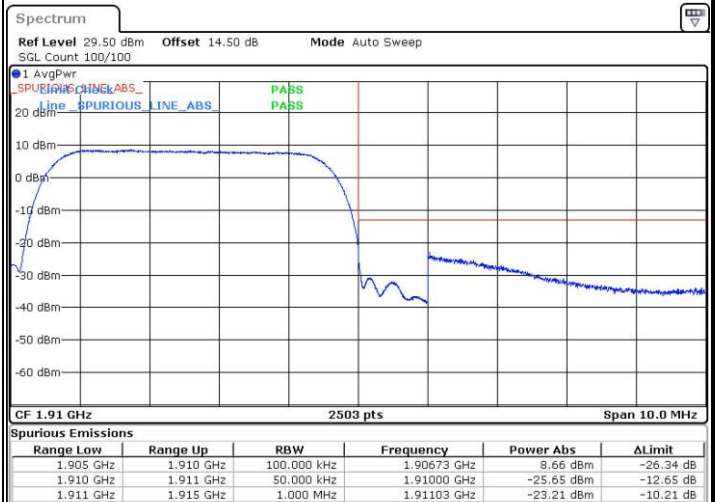


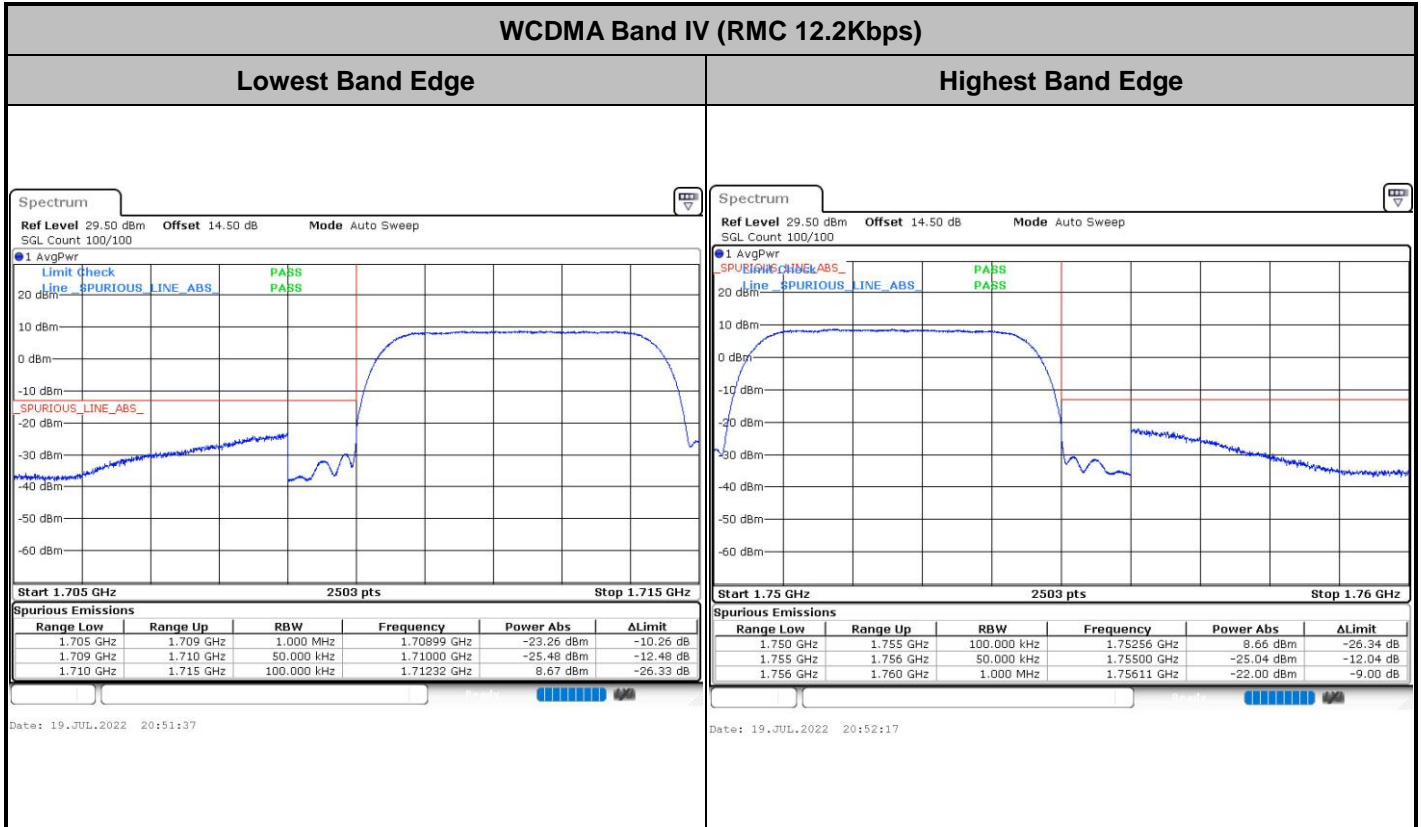
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



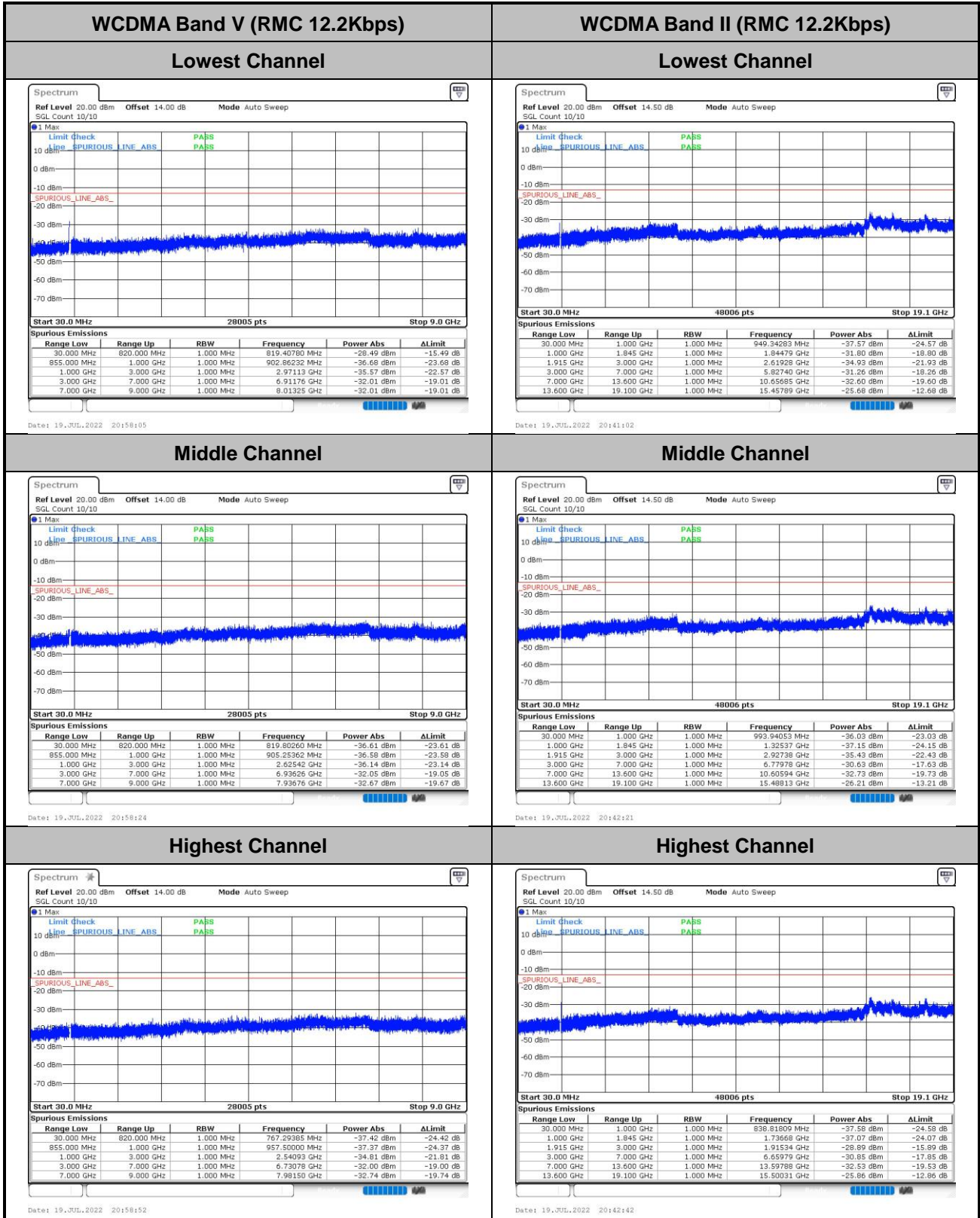
Highest Band Edge

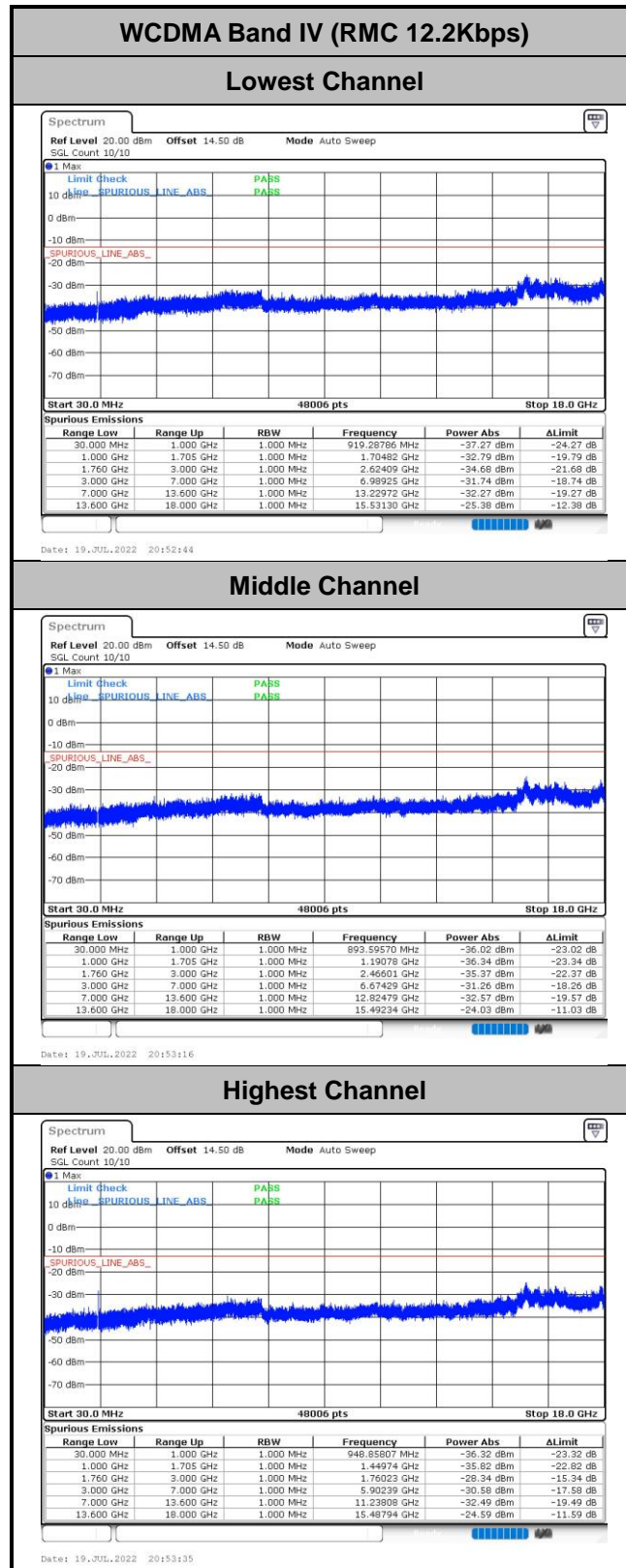






Conducted Spurious Emission







Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

RSE pretest for Ant.13 and Ant.31, only the worst antenna perform final test and record in the report.

Test Engineer :	LiangPing Zhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

GSM850_ANT 13 (GSM)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-64.54	-13	-51.54	-70.62	-67.79	4.00	9.40	H
	2509.2	-63.79	-13	-50.79	-73.94	-67.36	4.88	10.60	H
	3345.6	-63.50	-13	-50.50	-75.33	-68.43	5.52	12.60	H
	1672.8	-66.18	-13	-53.18	-71.98	-69.43	4.00	9.40	V
	2509.2	-63.11	-13	-50.11	-73.59	-66.68	4.88	10.60	V
	3345.6	-63.07	-13	-50.07	-75.28	-68.00	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

GSM850_ANT 13 (EDGE 1 Tx slots)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-62.44	-13	-49.44	-68.52	-65.69	4.00	9.40	H
	2509.2	-63.17	-13	-50.17	-73.32	-66.74	4.88	10.60	H
	3345.6	-63.36	-13	-50.36	-75.19	-68.29	5.52	12.60	H
	1672.8	-66.74	-13	-53.74	-72.54	-69.99	4.00	9.40	V
	2509.2	-63.34	-13	-50.34	-73.82	-66.91	4.88	10.60	V
	3345.6	-62.81	-13	-49.81	-75.02	-67.74	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

GSM1900_ANT 13 (GSM)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-61.59	-13	-48.59	-76.04	-68.34	5.85	12.60	H
	5640	-61.89	-13	-48.89	-78.77	-67.69	7.30	13.10	H
	7520	-56.55	-13	-43.55	-78.85	-59.70	8.35	11.50	H
	3760	-61.79	-13	-48.79	-76.42	-68.54	5.85	12.60	V
	5640	-61.84	-13	-48.84	-78.61	-67.64	7.30	13.10	V
	7520	-56.99	-13	-43.99	-79.17	-60.14	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM1900_ANT 13 (EDGE 1 Tx slots)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-61.98	-13	-48.98	-76.43	-68.73	5.85	12.60	H
	5640	-61.90	-13	-48.90	-78.78	-67.70	7.30	13.10	H
	7520	-56.95	-13	-43.95	-79.25	-60.10	8.35	11.50	H
	3760	-61.80	-13	-48.80	-76.43	-68.55	5.85	12.60	V
	5640	-62.00	-13	-49.00	-78.77	-67.80	7.30	13.10	V
	7520	-56.81	-13	-43.81	-78.99	-59.96	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band V_ANT 13 (RMC 12.2Kbps)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1673.04	-66.60	-13	-53.60	-72.68	-69.85	4.00	9.40	H
	2509.56	-63.97	-13	-50.97	-74.12	-67.54	4.88	10.60	H
	3346.08	-63.16	-13	-50.16	-74.99	-68.09	5.52	12.60	H
	1673.04	-66.84	-13	-53.84	-72.65	-70.09	4.00	9.40	V
	2509.56	-63.27	-13	-50.27	-73.75	-66.84	4.88	10.60	V
	3346.08	-63.23	-13	-50.23	-75.44	-68.16	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band II_ANT 13 (RMC 12.2Kbps)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-62.18	-13	-49.18	-76.63	-68.93	5.85	12.60	H
	5640	-62.01	-13	-49.01	-78.89	-67.81	7.30	13.10	H
	7520	-56.91	-13	-43.91	-79.21	-60.06	8.35	11.50	H
	3760	-61.96	-13	-48.96	-76.59	-68.71	5.85	12.60	V
	5640	-62.02	-13	-49.02	-78.79	-67.82	7.30	13.10	V
	7520	-57.22	-13	-44.22	-79.4	-60.37	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band IV_ANT 13 (RMC 12.2Kbps)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465.2	-62.86	-13	-49.86	-75.40	-69.71	5.65	12.50	H
	5197.8	-61.44	-13	-48.44	-78.68	-67.11	7.13	12.80	H
	6930.4	-58.56	-13	-45.56	-79.09	-61.96	8.40	11.80	H
	3465.2	-62.04	-13	-49.04	-75.12	-68.89	5.65	12.50	V
	5197.8	-61.07	-13	-48.07	-78.26	-66.74	7.13	12.80	V
	6930.4	-58.47	-13	-45.47	-79.01	-61.87	8.40	11.80	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.